

Mono-crystalline Solar PV Modules

M210-66N
HJT

700W

ZY700G12HNHB-132

HJT Mono-crystalline Bifacial Module

22.5%

Module efficiency

Electrical Specifications

Module Type		ZY700G12HNHB-132		
STC: AM1.5 Temperature 25°C Irradiance 1000 W/m ²	Peak Power(Pmax)±3%	(W)	700	
	Power Tolerance	(W)	0~+5	
	Max.Power Voltage(Vmp)	(V)	41.78	
	Max.Power Current(Imp)	(A)	16.76	
	Open-circuit Voltage(Voc)±3%	(V)	49.77	
NMOT: AM1.5 Temperature 20°C Wind speed 1m/s Irradiance 800 W/m ²	Short-circuit Current(Isc)+3%	(A)	17.81	
	Peak Power(Pmax)±3%	(W)	534.3	
	Max.Power Voltage(Vmp)	(V)	39.9	
	Max.Power Current(Imp)	(A)	13.39	
	Open-circuit Voltage(Voc)	(V)	47.5	
		Short-circuit Current(Isc)	(A)	14.23
Operating Temperature		(°C)	-40~+85	
Max. Series Fuse Rating		(A)	35	
Max. System Voltage(DC)		(V)	1500 (IEC)	

Mechanical Specifications

Solar Cells	N-type HJT-Mono-210*105mm
Arrangement	Type-6*11*2
Front Glass	2.0mm tempered glass
Back Glass	2.0mm tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Cables	4.0mm ² photovoltaic cables
Connectors	MC4 compatible/IP68
Maximum Load Capacity	Snow-5400Pa/Wind-2400Pa
Safety Rate	Class II (IEC)
Fire Rate	Class C (TUV)
Bifaciality	90±5%

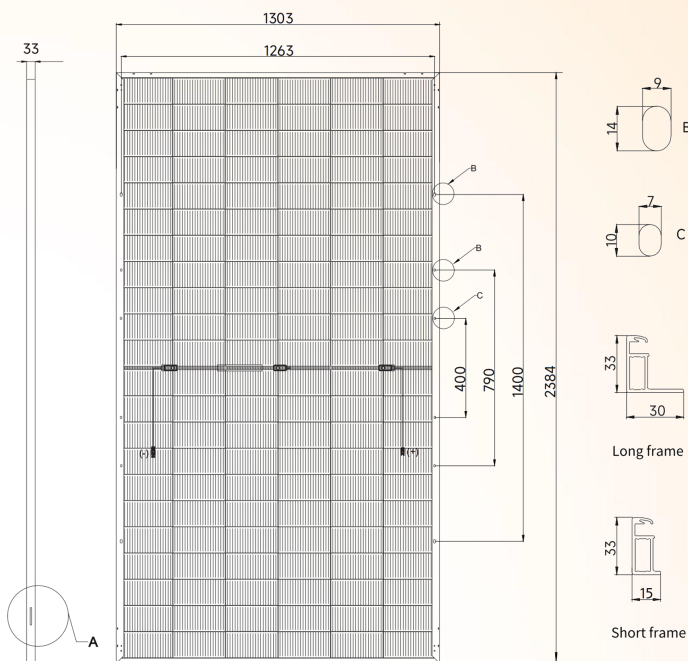
Packing Configuration

Package Weight & Size	1260Kg/pallet & 1320*1125*2520mm		
20'GP Container	/	/	/
40'HQ Container	33 pcs/pallet	18 pallets/40'HQ	594 pcs
13.5m Land Truck	33 pcs/pallet	20 pallets/truck	660 pcs

Dimensions of PV Module

Module Dimensions 2384(±2)*1303(±2)*33mm

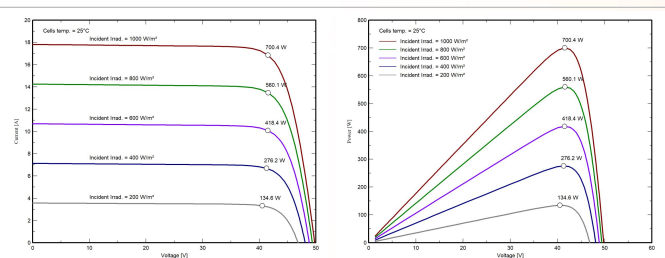
Module Weight 37.2 kg(±3%)



Temperature Characteristics

Temperature Coefficient (Pmax)	δ[%/°C]	-0.24
Temperature Coefficient (Voc)	β[%/°C]	-0.22
Temperature Coefficient (Isc)	α[%/°C]	+0.04
Nominal Operating Cell Temperature	NMOT	44°C±2°C

I-V & P-V Curves



Current-Voltage Characteristic

Power-Voltage Characteristic

BSTC

Maximum Power(Pmax)	(W)	785
Max.Power Voltage(Vmp)	(V)	41.92
Max.Power Current(Imp)	(A)	18.73
Open-circuit Voltage(Voc)	(V)	49.94
Short-circuit Current(Isc)	(A)	19.97

BSTC: AM1.5, 1000W/m², 135W/m², 25°C



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16 mm

93 mm



Energia

MÓDULO FOTOVOLTAICO

Tecnologia: HETEROJUNÇÃO HJT

Fornecedor: Ningbo Zhongyi New Energy Co., Ltd

Marca: RENE PV

Modelo: ZY700G12HNHB-132

22,5%
Eficiência

CLASSE
A



Nº de Registro
018779/2024